

Supplementary Appendix: Seasonal trends in COVID-19 cases, hospitalizations, and deaths in the United States and Europe

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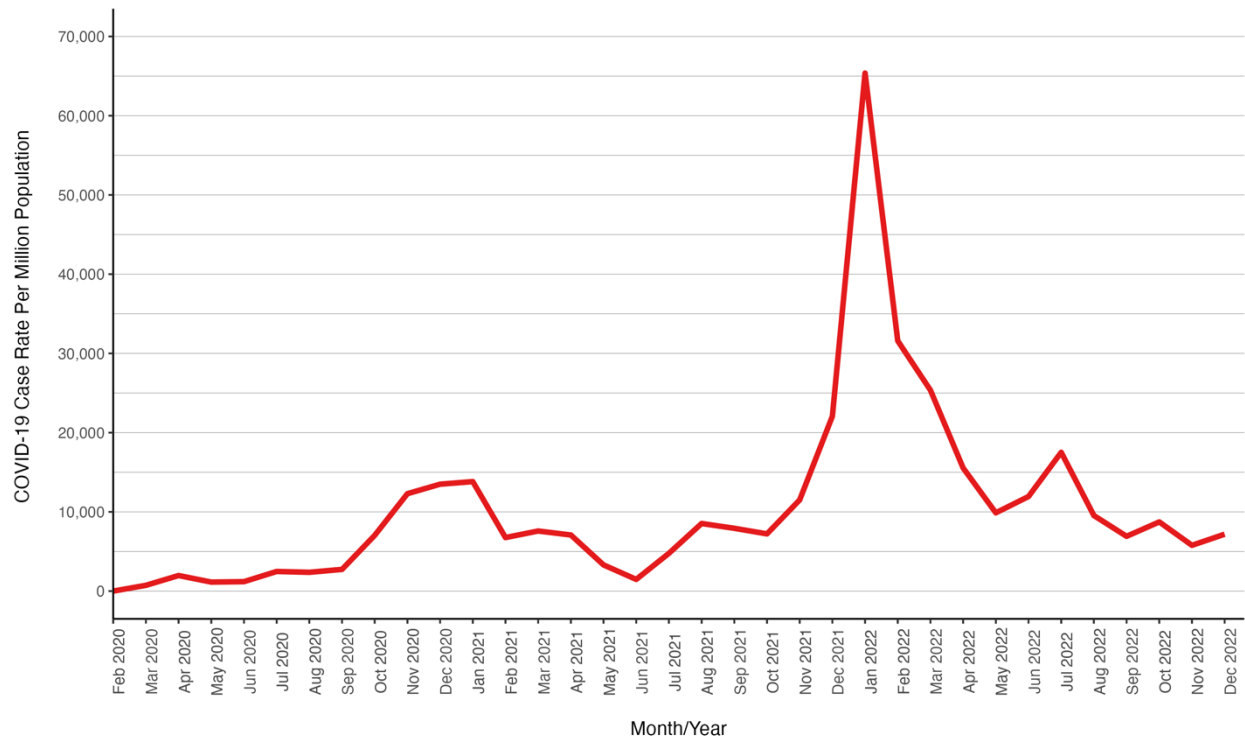


Figure 1: COVID-19 case rate per million population by month-year, February 2020 – December 2022, European Union, United Kingdom, and United States

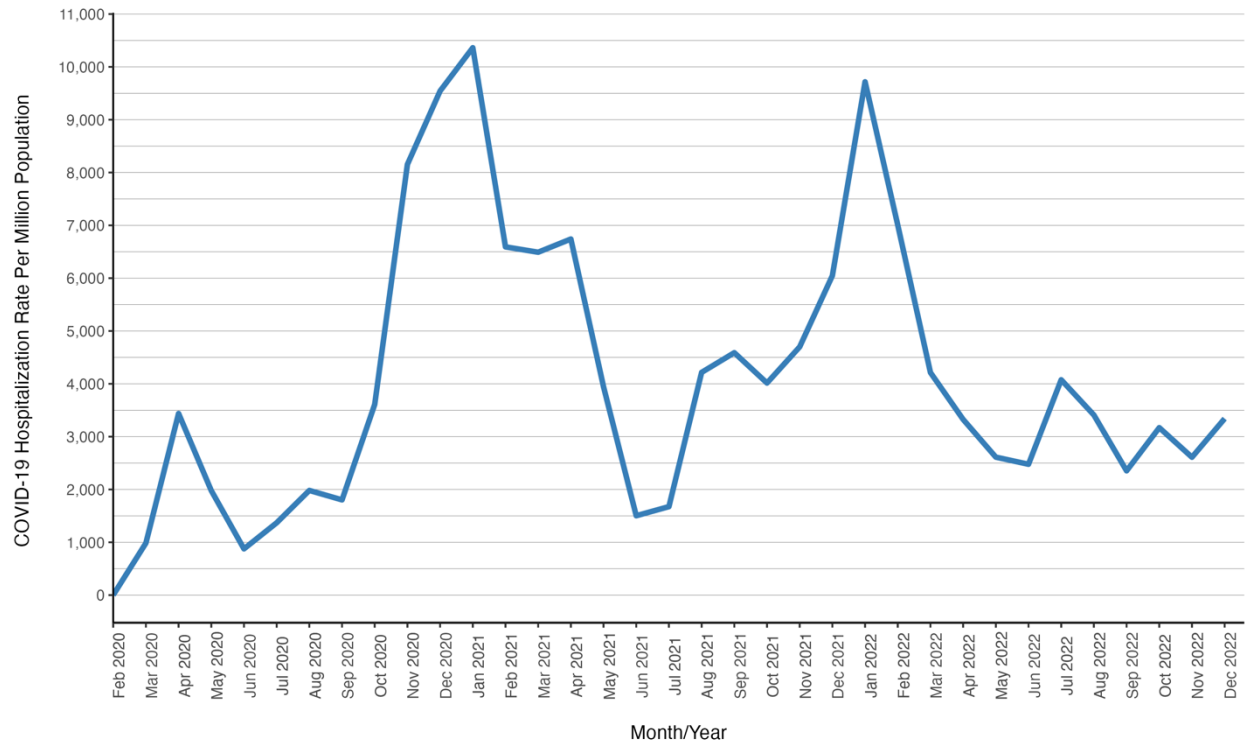


Figure 2: COVID-19 hospitalization rate per million population by month-year, February 2020 – December 2022, European Union, United Kingdom, and United States

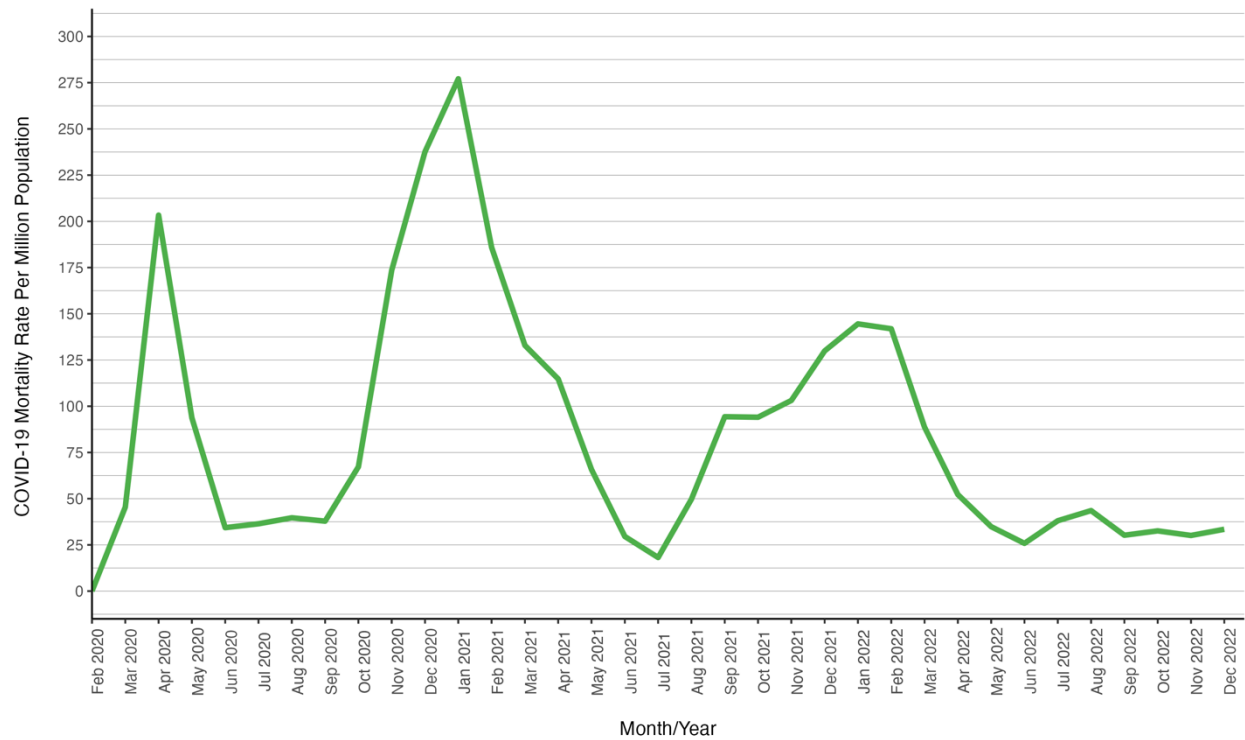


Figure 3: COVID-19 mortality rate per million population by month-year, February 2020 – December 2022, European Union, United Kingdom, and United States

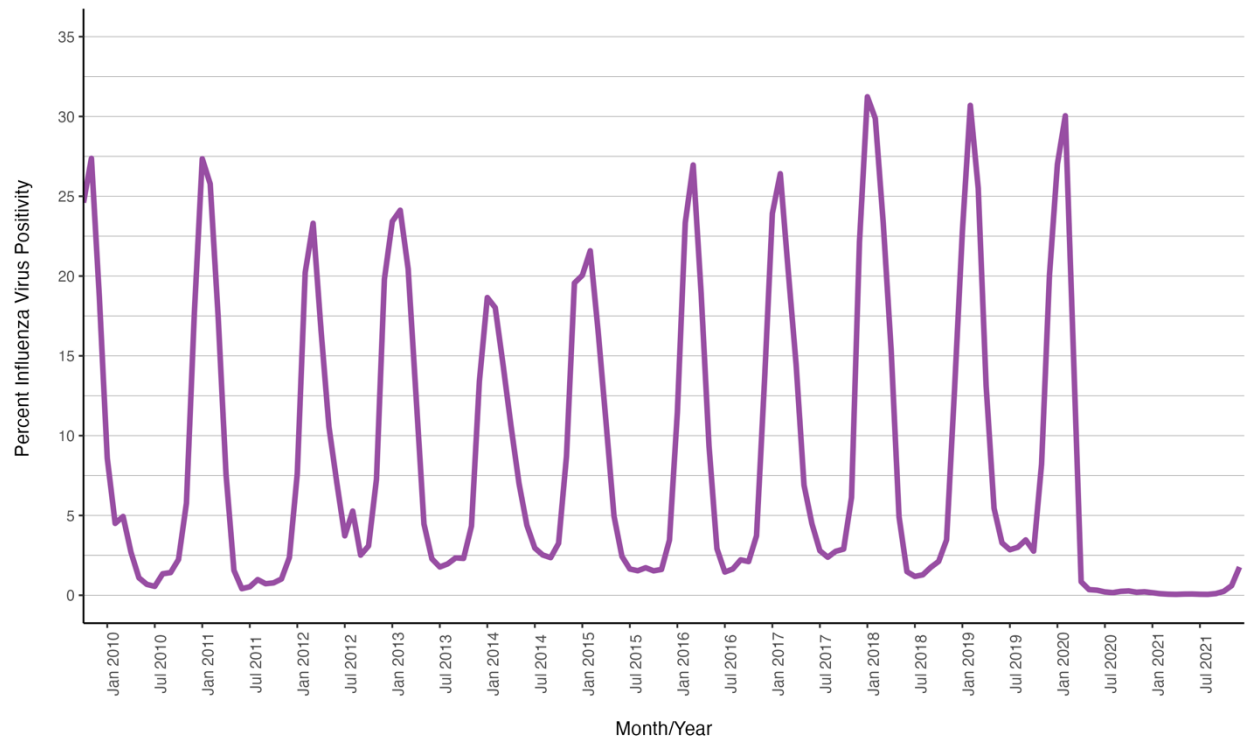


Figure 4: Influenza percent positivity October 2009 - December 2021, European Union, United Kingdom, and United States

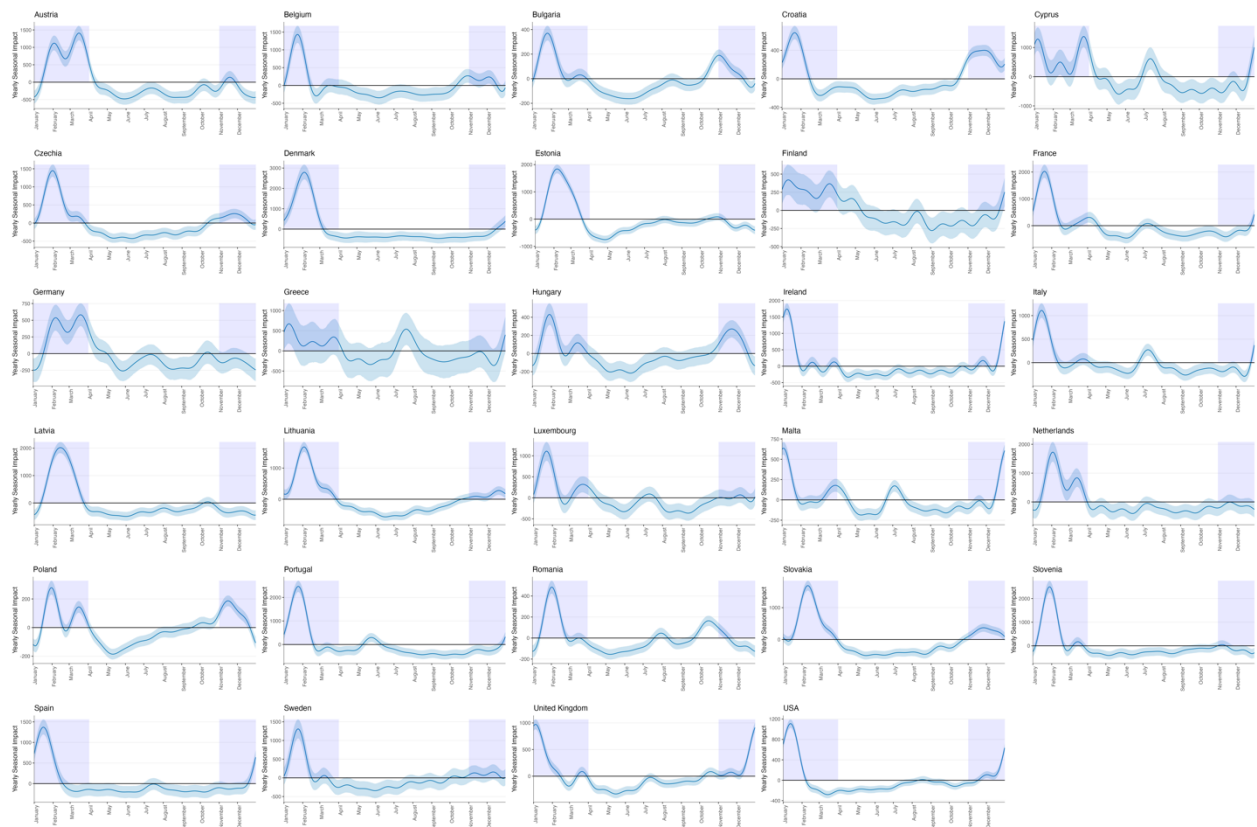


Figure 5: Annual seasonal component for COVID-19 cases, March 2020 - December 2022

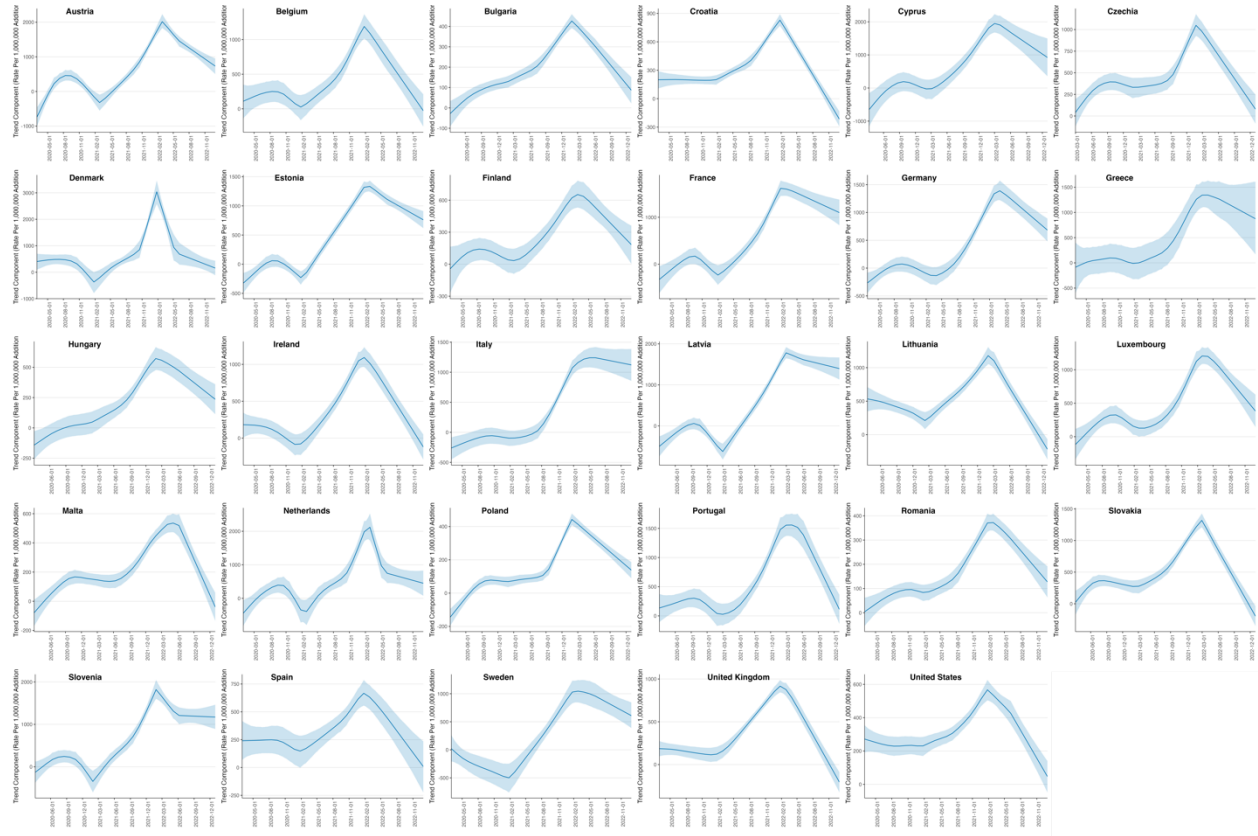


Figure 6: Trend component for COVID-19 cases, March 2020 - December 2022

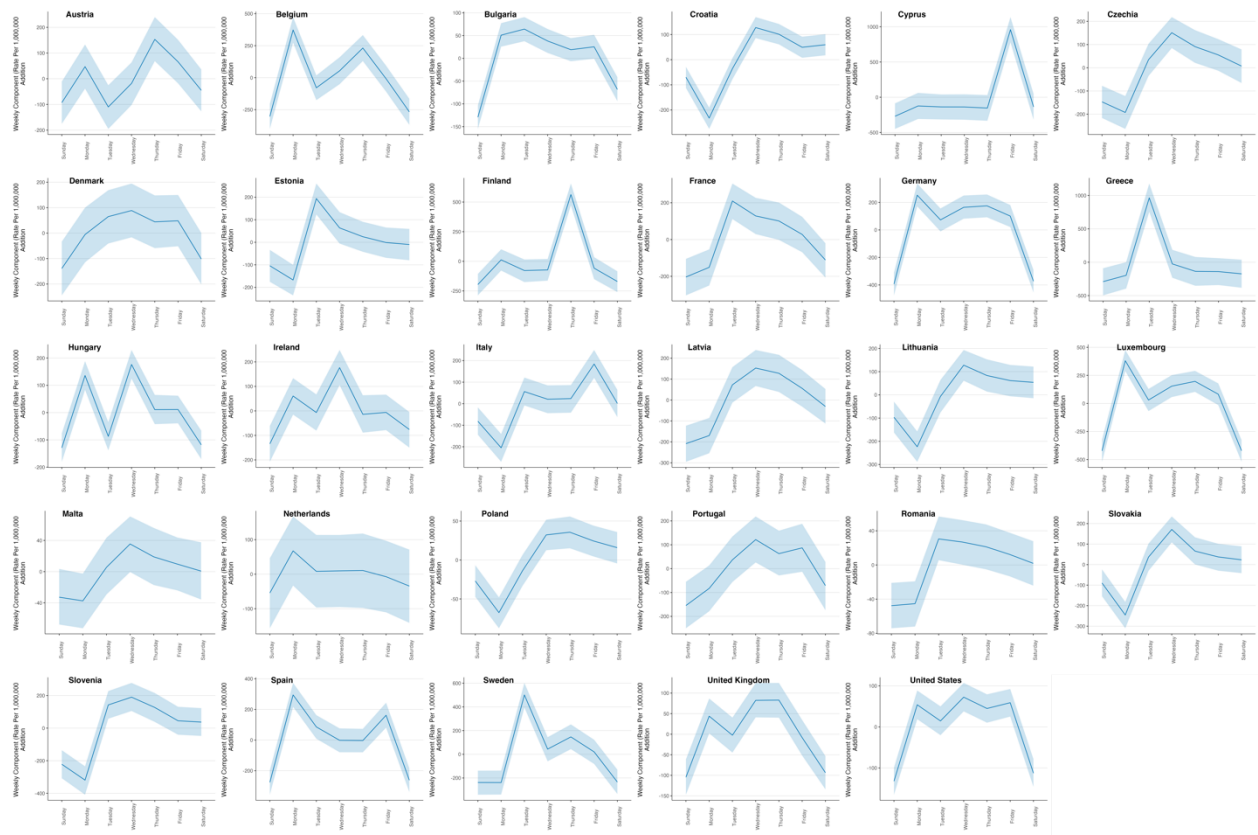


Figure 7: Weekly seasonal component for COVID-19 cases, March 2020 - December 2022

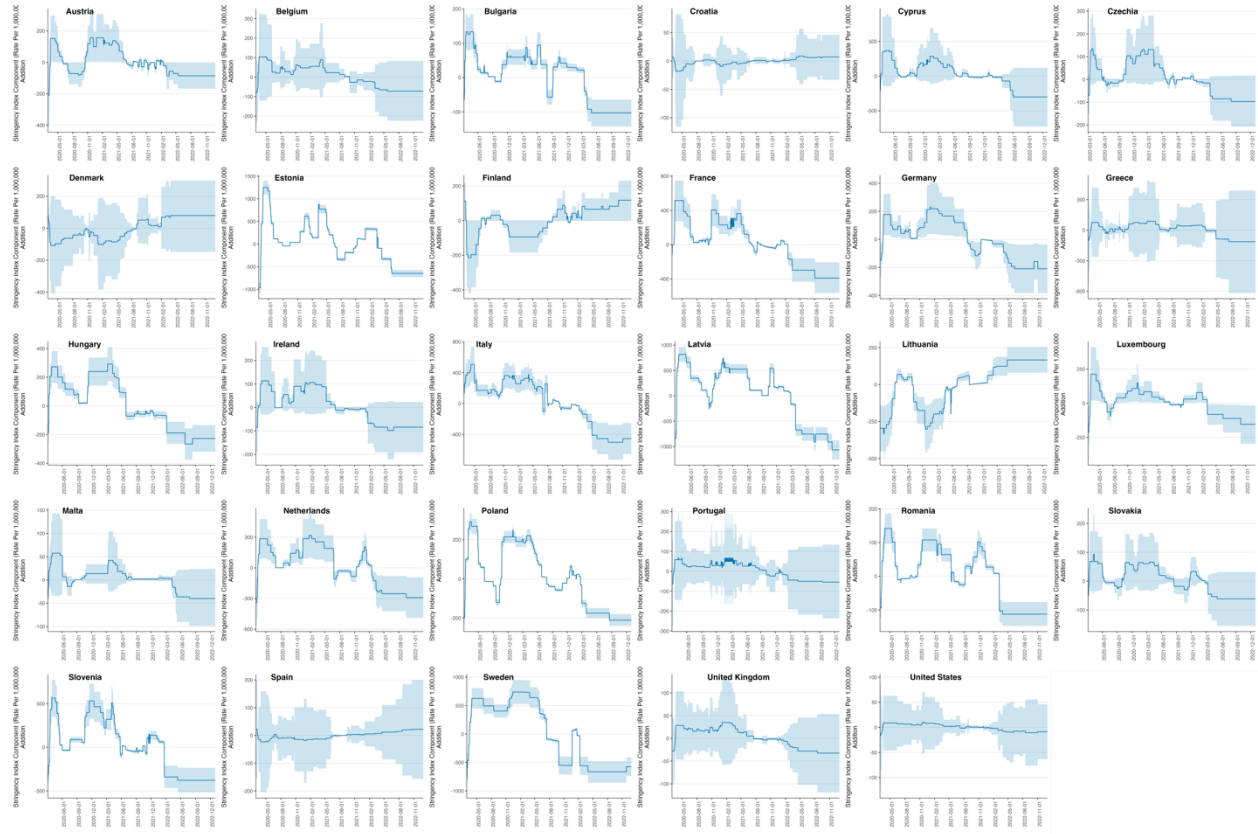


Figure 8: Stringency Index component for COVID-19 cases, March 2020 - December 2022

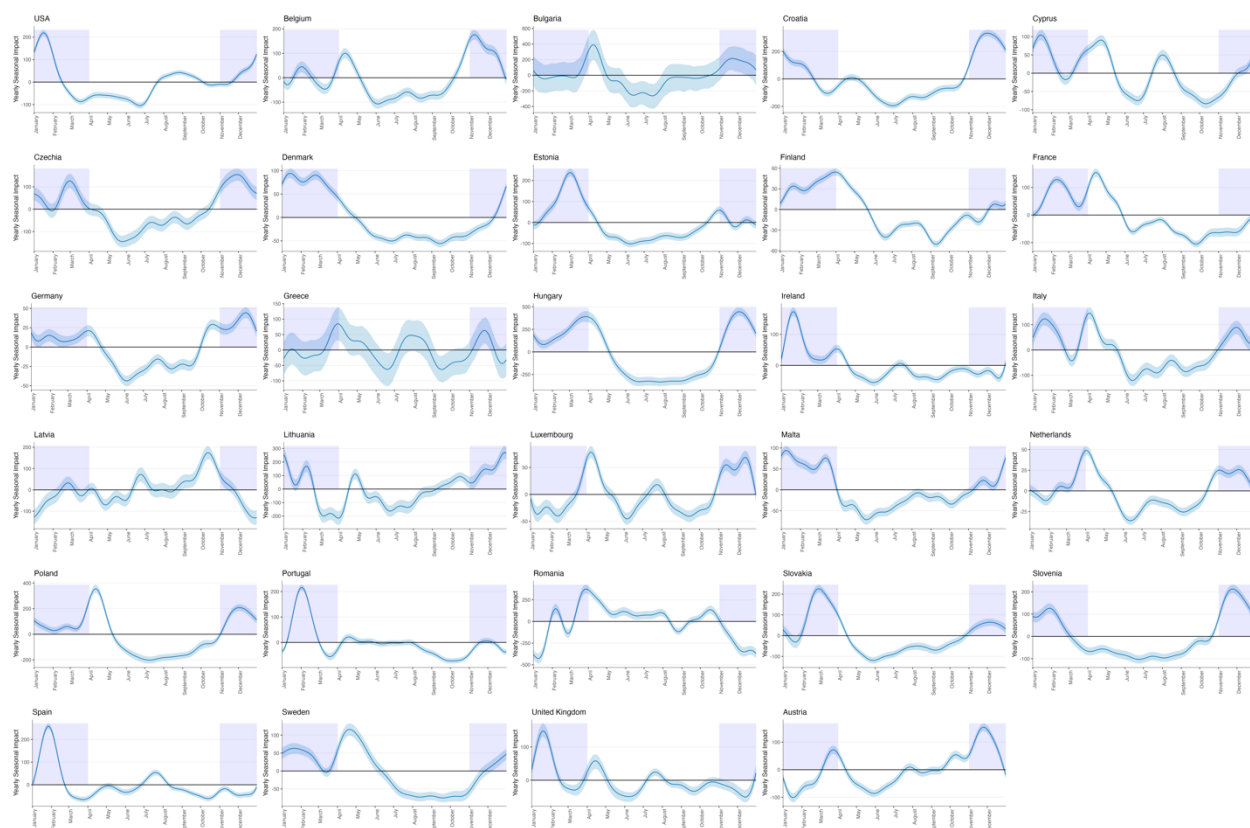


Figure 9: Annual seasonal component for COVID-19 hospitalizations, March 2020 - December 2022

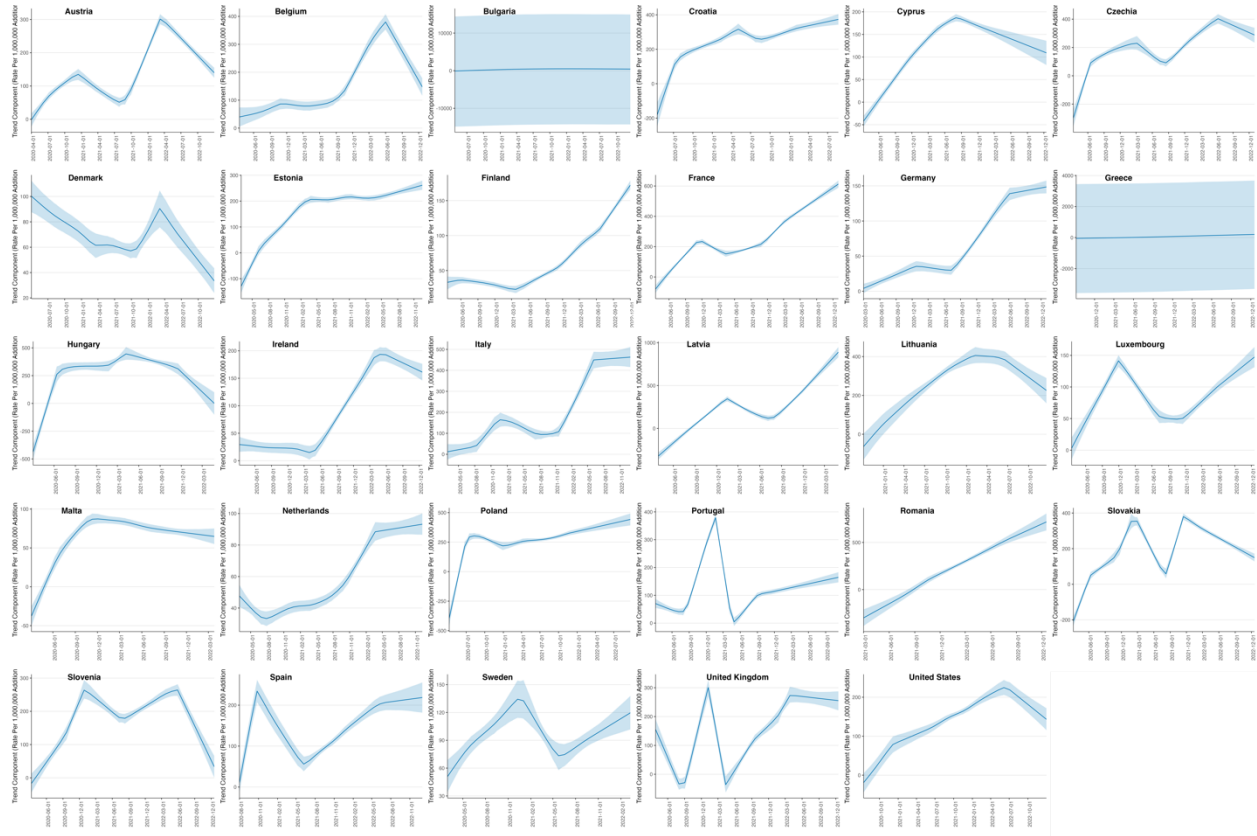


Figure 10: Trend component for COVID-19 hospitalizations, March 2020 - December 2022

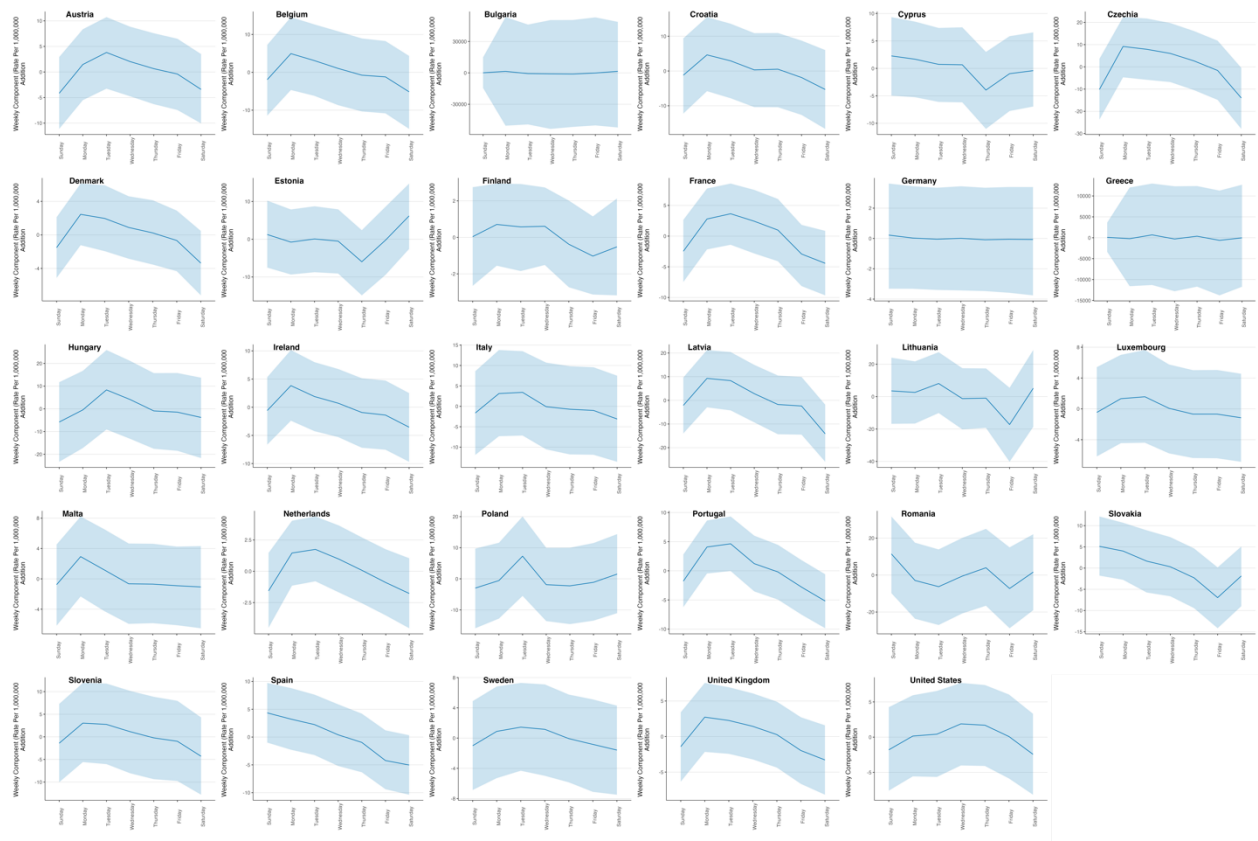


Figure 11: Weekly seasonal component for COVID-19 hospitalizations, March 2020 - December 2022

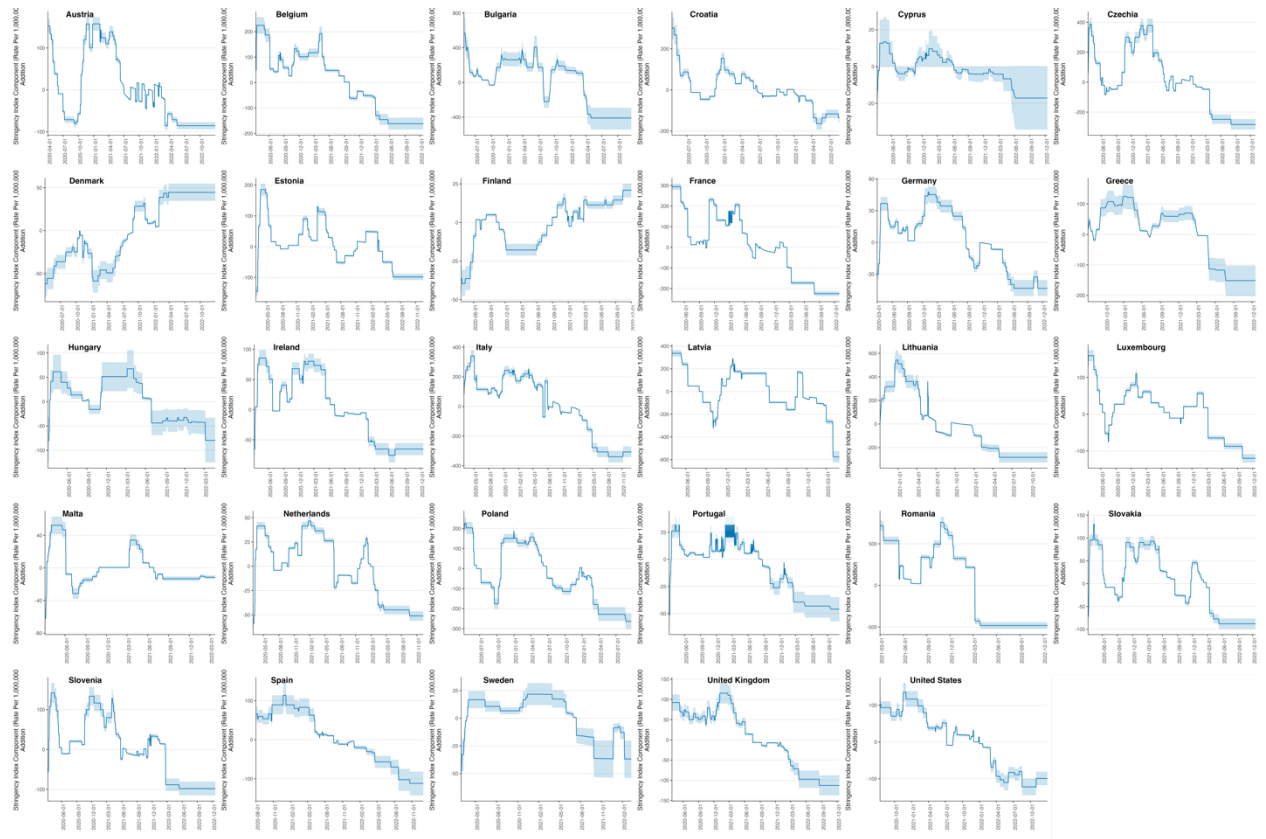


Figure 12: Stringency Index component for COVID-19 hospitalizations, March 2020 - December 2022

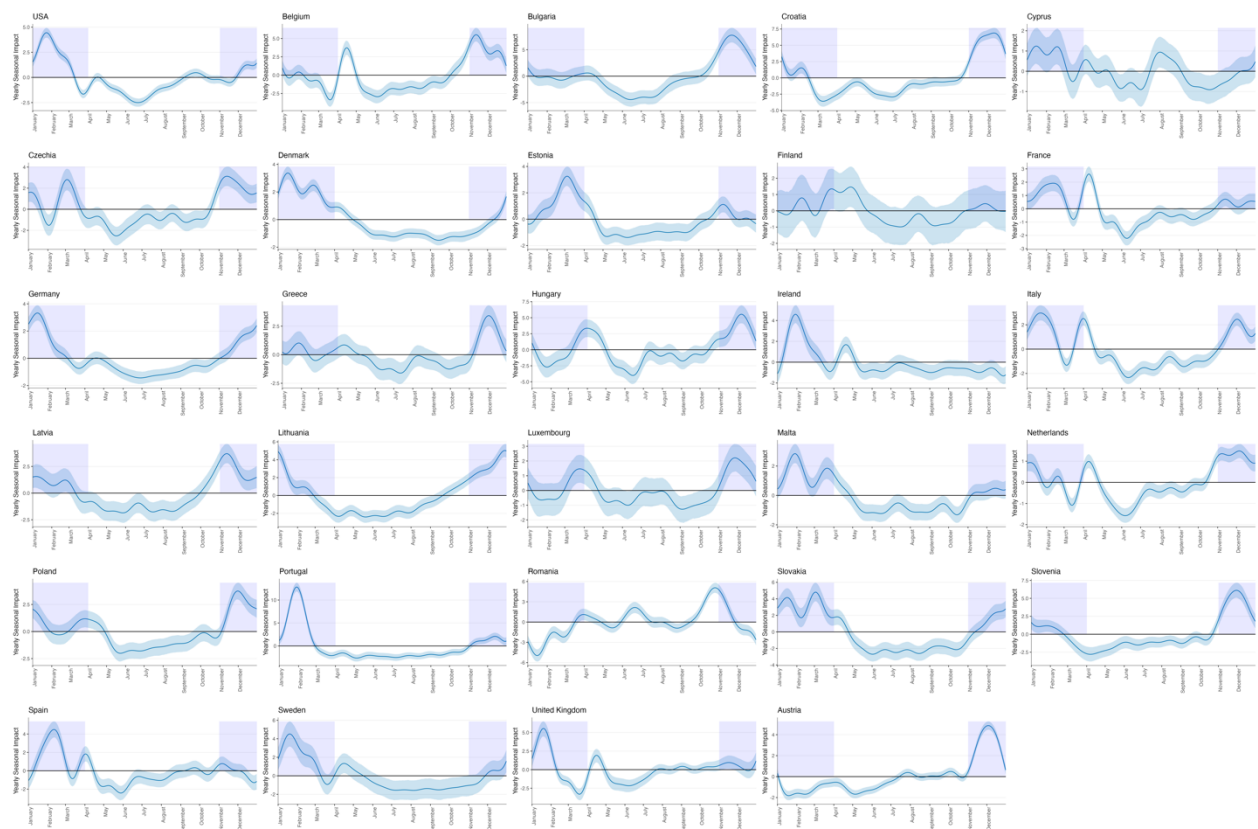


Figure 13: Annual seasonal component for COVID-19 mortality, March 2020 - December 2022

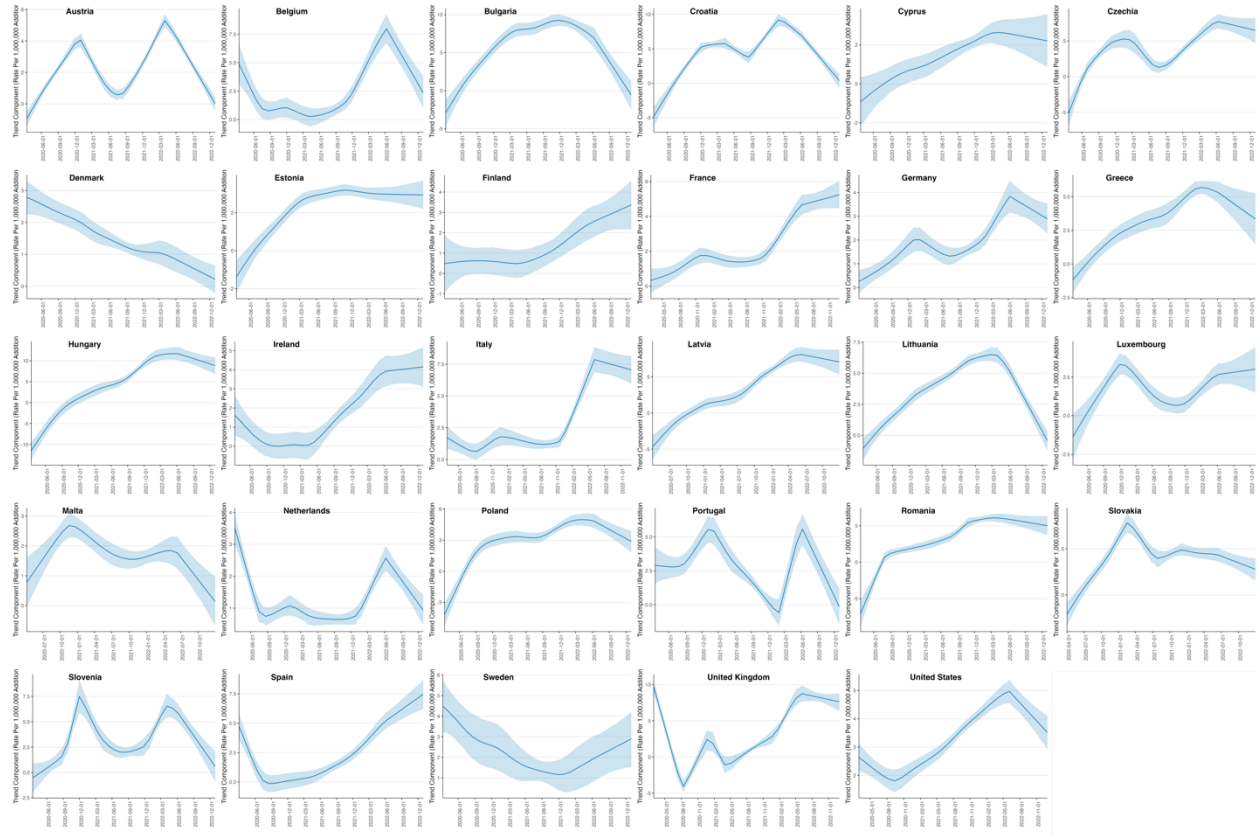


Figure 14: Trend component for COVID-19 mortality, March 2020 - December 2022

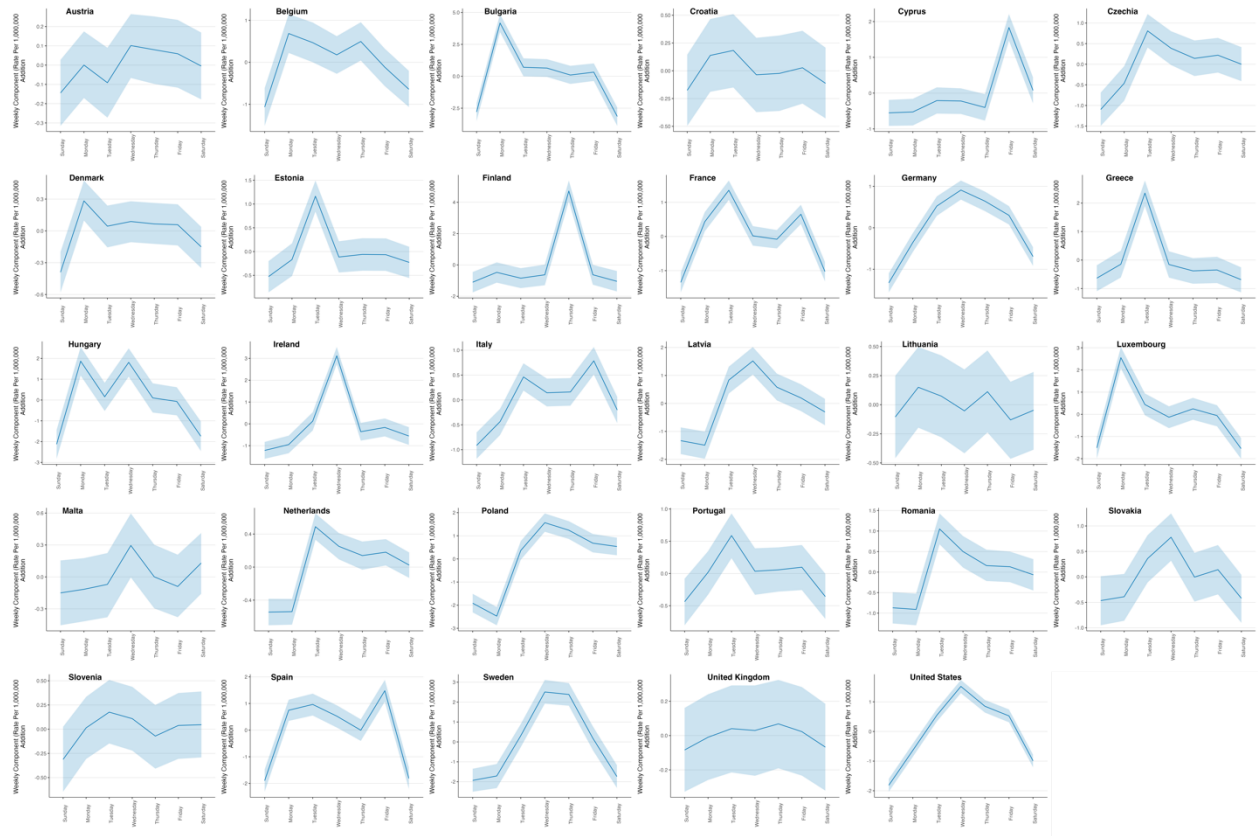


Figure 15: Weekly seasonal component for COVID-19 mortality, March 2020 - December 2022

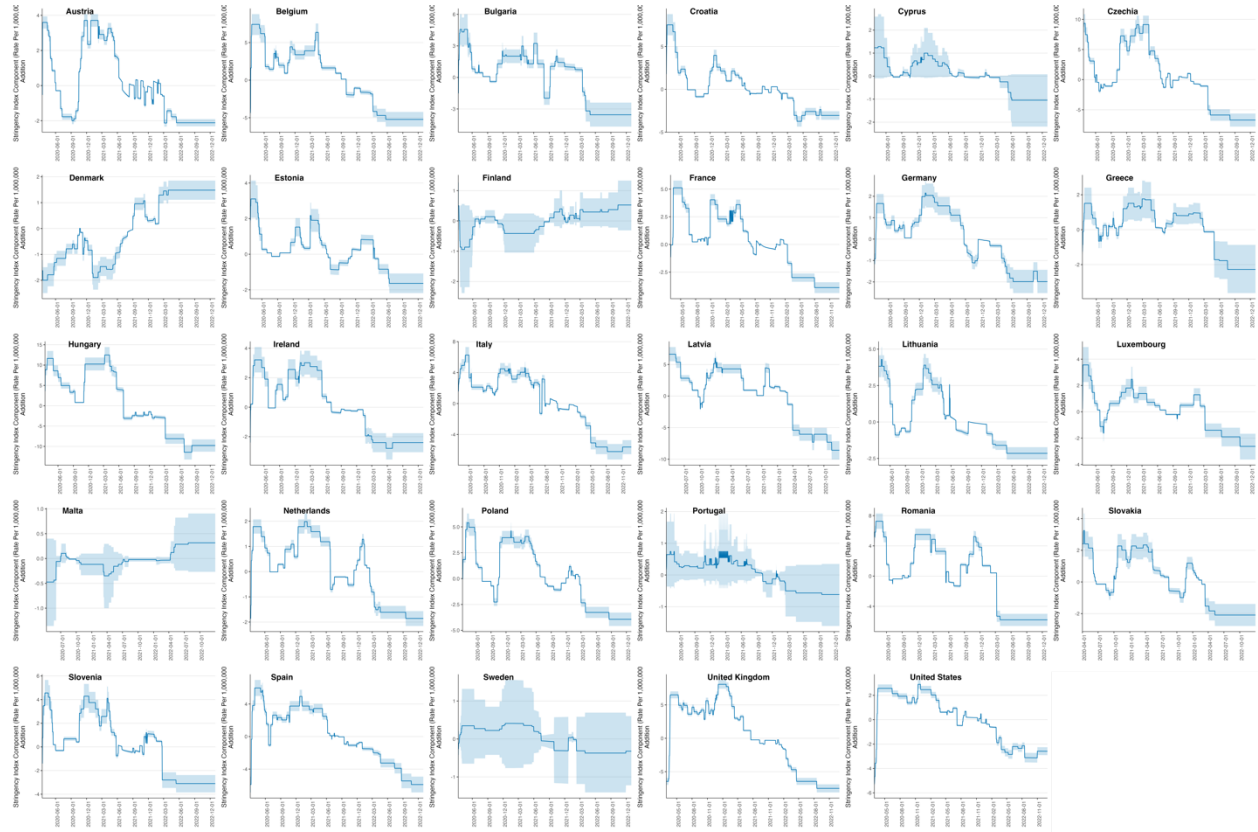


Figure 16: Stringency Index component for COVID-19 mortality, March 2020 - December 2022